

# Converting Colors

$Y_{xy}(31.2098, 0.2769, 0.3039)$

Have a look what the booklet for  
Yxy(31.2098, 0.2769, 0.3039)  
contains.

<b>Yxy(31.2083, 0.2769, 0.3039)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

# Color

**Yxy(31.2083, 0.2769, 0.3039)**

# Conversions

Conversions Part 1	
Format	Color
Hex	839BAB
RGB	131, 155, 171
RGB Percent	51%, 61%, 67%
CMY	0.4861, 0.3922, 0.3294
CMYK	0.23, 0.09, 0.00, 0.33
HSL	204°, 19%, 59%
HSV	204°, 23%, 67%
XYZ	28.4356, 31.2083, 43.0488
YIQ	149.6480, -19.4400, -0.1120

# Conversions

## Conversions Part 2

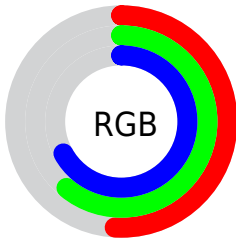
Format	Color
<a href="#">RYB</a>	<a href="#">131, 146, 171</a>
Decimal	<a href="#">8625067</a>
CIELab	<a href="#">62.68, -4.74, -11.13</a>
CIELCh	<a href="#">63, 12.098, 246.922</a>
Yxy	<a href="#">31.2083, 0.2769, 0.3039</a>
Android (android.graphics.Color)	<a href="#">4286815147</a> (0xFF839BAB)
YUV	<a href="#">149.6480, 10.5265, -16.3543</a>
Hunter-Lab	<a href="#">55.8644, -6.9042, -6.5834</a>

# Details

The Yxy color **31.2083, 0.2769, 0.3039** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1750, 0.3546, 0.3528**, and the grayscale version is **30.3063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4062, 0.2844, 0.3089**, and **12.9819, 0.2653, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **27.7401, 0.2615, 0.2914**, and if you desaturate by 10%, it is **35.0336, 0.2924, 0.3154**.

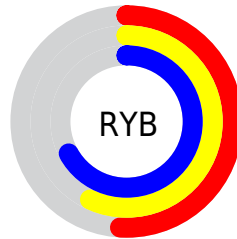
# Distribution



Red (51%)

Green (61%)

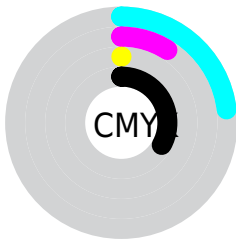
Blue (67%)



Red (51%)

Yellow (57%)

Blue (67%)

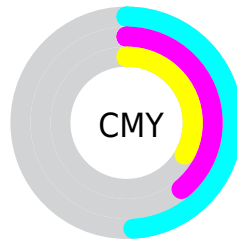


Cyan (23%)

Magenta (9%)

Yellow (0%)

Black (33%)



Cyan (49%)

Magenta (39%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2083, 0.2769, 0.3039 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.2083, 0.2769, 0.3039 by changing the saturation by 10% instead.





 31.2083, 0.2769,  
0.3039


 31.2083, 0.2769,  
0.3039


307.4968, 0.2958,  
0.3174

 20.7575, 0.2718,  
0.3002


 61.5679, 0.2840,  
0.3090

 12.9469, 0.2651,  
0.2952


 82.2454, 0.2866,  
0.3109

 7.3920, 0.2558,  
0.2882


 107.1007, 0.2888,  
0.3124

 3.7084, 0.2420,  
0.2777

136.5181, 0.2906,  
0.3137

 1.5118, 0.2197,  
0.2599

170.8821, 0.2922,  
0.3149

 0.2970, 0.1060,  
0.1890

210.5769, 0.2936,

 0.0000, 0.0000,


0.3158

0.0000


255.9870, 0.2948,  
0.3167


 31.2083, 0.2769,  
0.3039


 31.2083, 0.2769,  
0.3039

 27.7401, 0.2615,  
0.2914


 35.0336, 0.2924,  
0.3154

 24.6120, 0.2465,  
0.2779


 39.2246, 0.3077,  
0.3257


 21.8111, 0.2323,  
0.2636

 43.7942, 0.3225,  
0.3351

 19.3221, 0.2193,  
0.2486

 48.7534, 0.3368,  
0.3434

 17.1280, 0.2079,  
0.2333

 54.1129, 0.3504,  
0.3507

■ 15.2096, 0.1984,  
0.2179

■ 59.8828, 0.3633,  
0.3571

■ 13.5442, 0.1911,  
0.2029

■ 66.0728, 0.3754,  
0.3628

■ 12.5476, 0.1870,  
0.1930

■ 70.1768, 0.3766,  
0.3693

■ 73.6250, 0.3744,  
0.3760

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.2083, 0.2771, 0.3180



31.2083, 0.2769, 0.3039



31.2083, 0.2859, 0.2970

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.2083, 0.2769, 0.3039



31.2083, 0.3393, 0.3216



31.2083, 0.3224, 0.3619

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.2083, 0.2769, 0.3039



31.1750, 0.3546, 0.3528

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.2083, 0.3396, 0.3620



31.2083, 0.2769, 0.3039



31.2083, 0.3497, 0.3382

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.2083, 0.2769, 0.3039



31.2083, 0.3218, 0.3073



31.2083, 0.3498, 0.3530



31.2083, 0.3030, 0.3523



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.2083, 0.2769, 0.3039



31.2083, 0.2962, 0.2970



31.2083, 0.3498, 0.3530



31.2083, 0.3286, 0.3631

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.2096, 0.2769, 0.3039



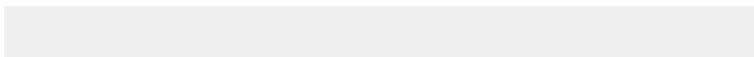
67.3572, 0.3020, 0.3220



36.0584, 0.2970, 0.3669



14.9246, 0.3011, 0.3214



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2096, 0.2769, 0.3039



52.6352, 0.2690, 0.2976



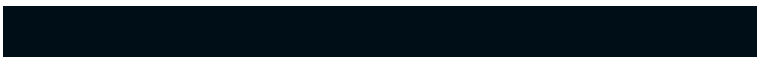
25.1056, 0.2744, 0.2713



8.5258, 0.2986, 0.3197



9.5650, 0.1874, 0.1945



0.3694, 0.1999, 0.2398



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



27.2663, 0.3324, 0.2940



44.5850, 0.3379, 0.2860



37.9330, 0.3484, 0.3808



8.0929, 0.3196, 0.3155



7.2686, 0.4516, 0.2261



0.2126, 0.4025, 0.1991



# Previews

## White Background



This preview shows how the Yxy color 31.2083, 0.2769, 0.3039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

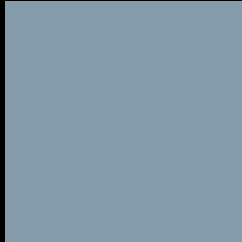
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.2083, 0.2769, 0.3039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

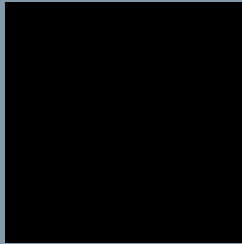
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

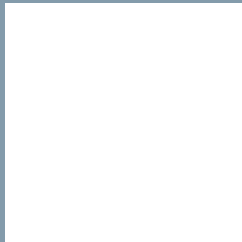
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 31.2083, 0.2769, 0.3039**

## Background



This preview shows how black text looks on a background with the Yxy color 31.2083, 0.2769, 0.3039.



This preview shows how white text looks on a background with the Yxy color 31.2083, 0.2769, 0.3039.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

31.2083, 0.2769, 0.3039

### Protanopia

31.0294, 0.2953, 0.3017

### Deuteranopia

30.9525, 0.2976, 0.2907



## Tritanopia

31.3499, 0.2785, 0.3100

# Trichromacy



## Original Color

31.2083, 0.2769, 0.3039

## Protanomaly

31.0718, 0.2880, 0.3029

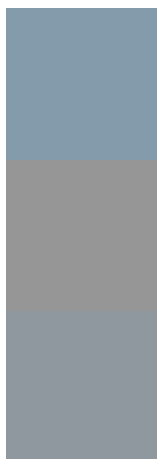
## Deuteranomaly

30.9943, 0.2900, 0.2958

## Tritanomaly

31.3873, 0.2777, 0.3085

# Monochromacy



## Original Color

31.2083, 0.2769, 0.3039

## Achromatopsia

30.4987, 0.3127, 0.3290

## Achromatomaly

30.7647, 0.2984, 0.3196

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.2083, 0.2769, 0.3039 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(131, 155, 171)` looks like.

```
.text, #text, p{  
    color:rgb(131, 155, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(131, 155, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 155, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 31.2083, 0.2769, 0.3039 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(131, 155, 171) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(131, 155, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(131, 155, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 155, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 155, 171);  
box-shadow:4px 4px 4px 4px rgb(131, 155,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.2083, 0.2769, 0.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 155, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(131,  
155, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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